

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103078.D
 Acq On : 19 Feb 2018 13:25
 Operator : SJ/JU
 Sample : J1575-07RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:14:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

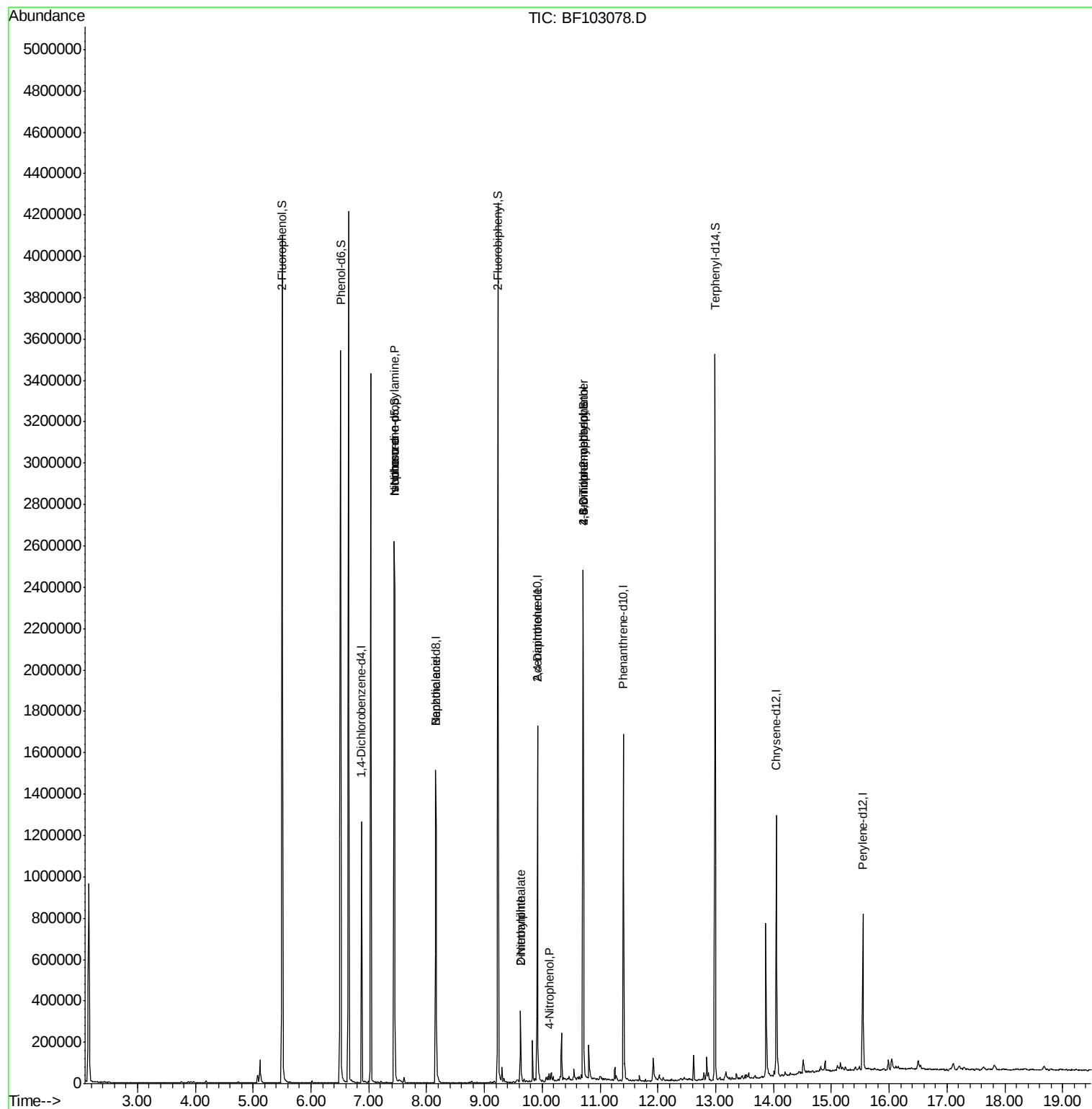
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168194	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	707709	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	325483	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	573520	20.00	ng	0.00
75) Chrysene-d12	14.05	240	403456	20.00	ng	0.00
86) Perylene-d12	15.54	264	323787	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1198678	108.23	ng	0.01
7) Phenol-d6	6.52	99	1437680	107.81	ng	0.00
23) Nitrobenzene-d5	7.44	82	944034	92.54	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	303895	116.00	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1331394	67.88	ng	0.00
78) Terphenyl-d14	12.99	244	1189881	69.83	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	123398	14.035	ng	# 80
25) Isophorone	7.44	82	944029	40.186	ng	# 64
32) Benzoic acid	8.16	122	133	8.561	ng	# 1
47) 2-Nitroaniline	9.62	65	1554	3.689	ng	# 1
49) Dimethylphthalate	9.62	163	134952	5.318	ng	99
55) 4-Nitrophenol	10.12	139	2039	4.421	ng	# 16
56) 2,4-Dinitrotoluene	9.92	165	40735	8.963	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	637	9.039	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	19825	3.268	ng	# 1

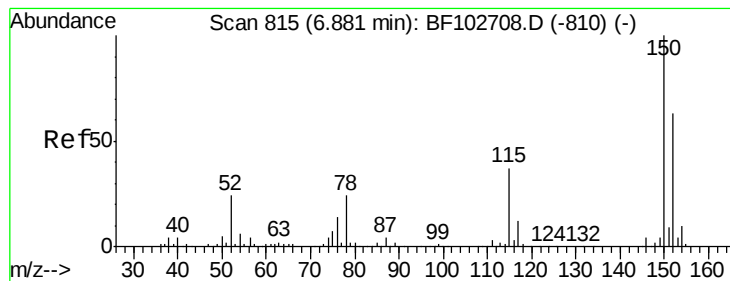
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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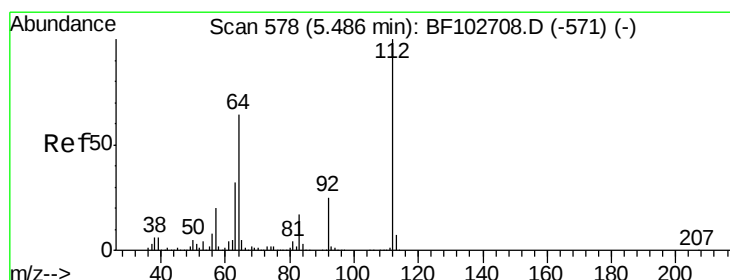
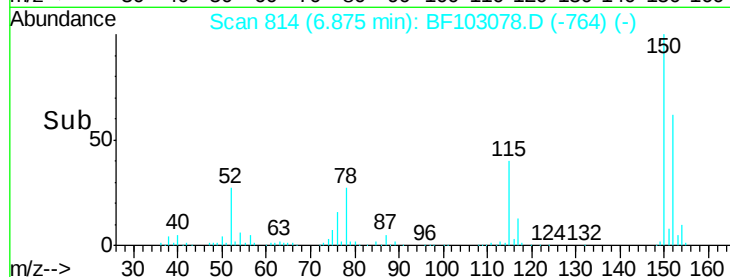
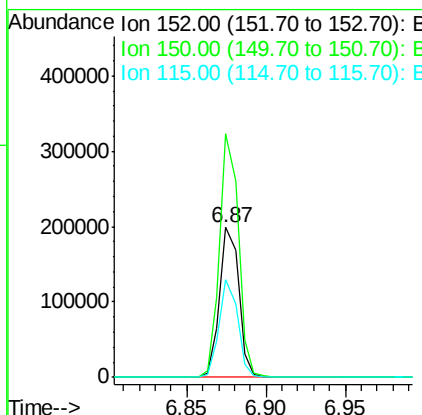
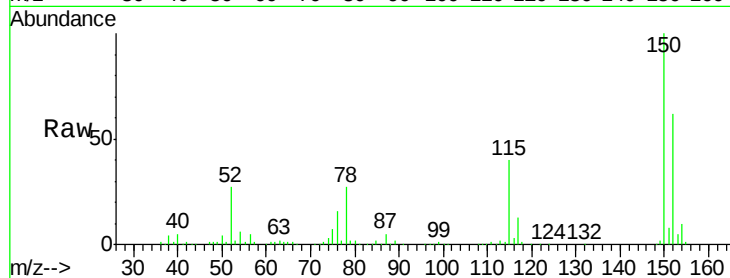


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Instrument :
BNA_F
ClientSampleId :

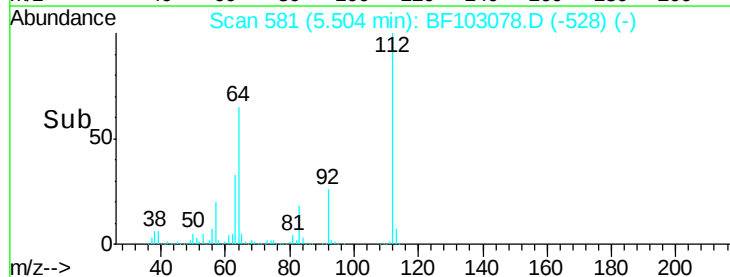
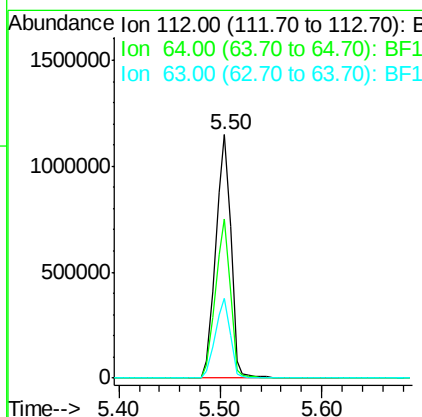
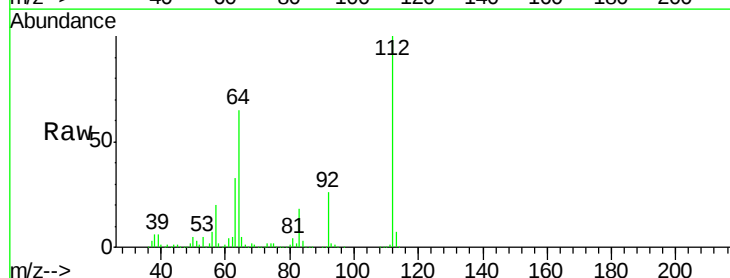
Tot Ion:152 Resp: 168194
Ion Ratio Lower Upper
152 100
150 162.5 124.6 186.8
115 65.3 50.1 75.1

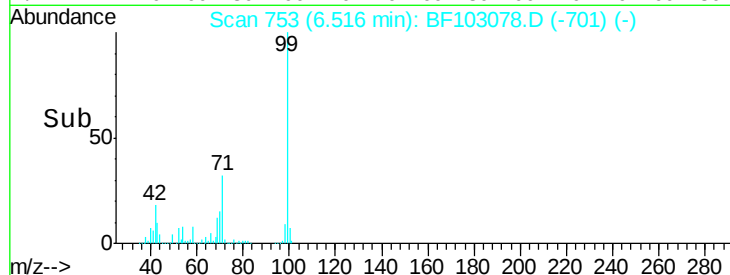
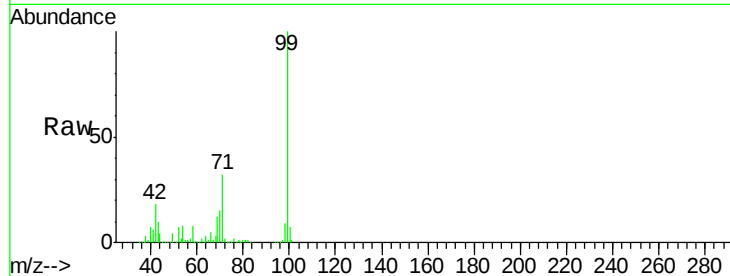


#5

2-Fluorophenol
Concen: 108.232 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Tgt Ion:112 Resp: 1198678
Ion Ratio Lower Upper
112 100
64 65.1 47.9 71.9
63 32.8 23.7 35.5





#7

Phenol-d6

Concen: 107.811 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA_F

ClientSampleId :

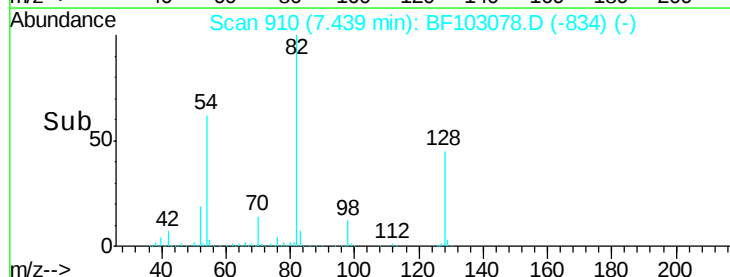
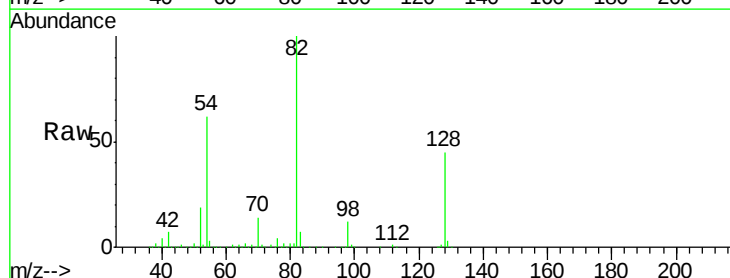
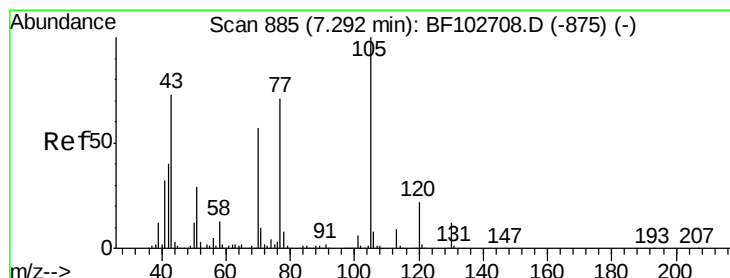
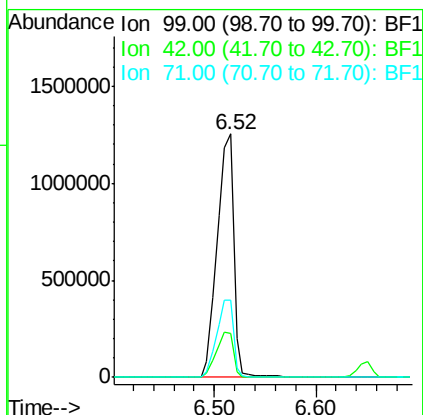
Tot Ion: 99 Resp: 1437680

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 31.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.035 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Tgt Ion: 70 Resp: 123398

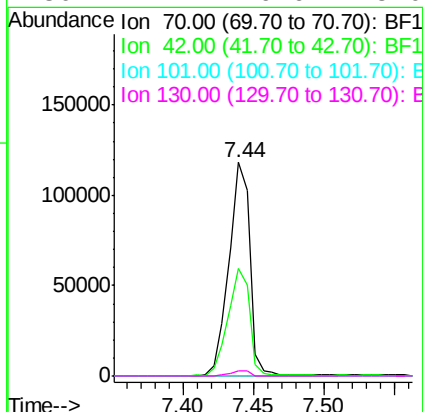
Ion Ratio Lower Upper

70 100

42 50.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 707709

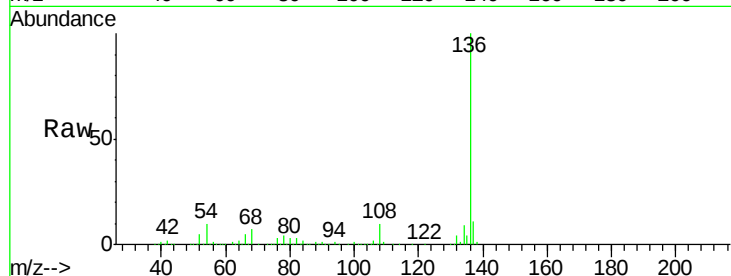
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

68 6.9 5.0 7.4

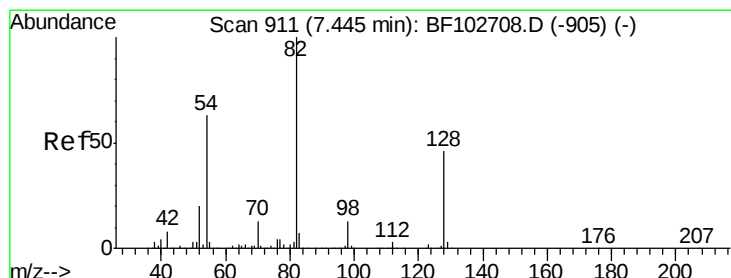
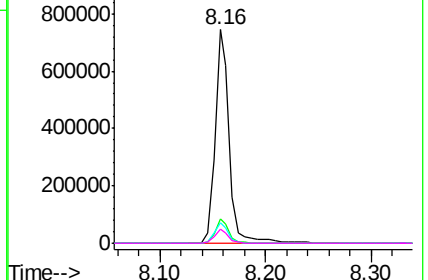
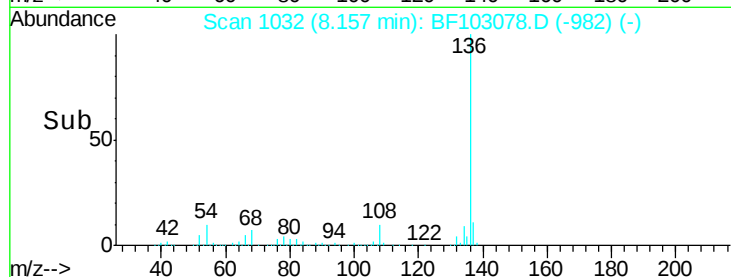


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 92.535 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

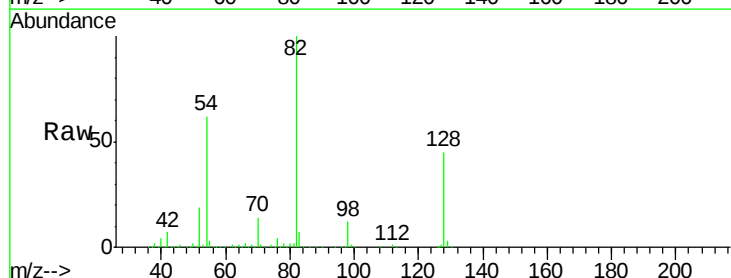
Tgt Ion: 82 Resp: 944034

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

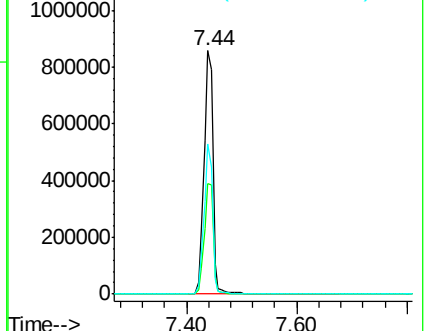
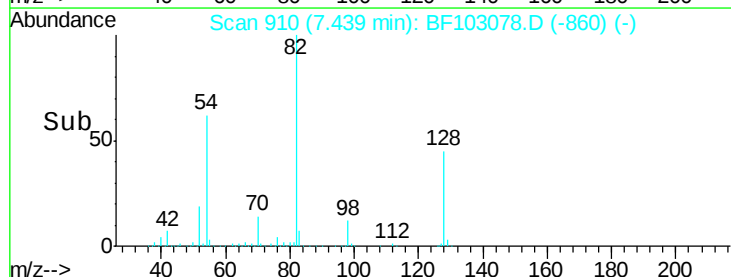
54 61.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.186 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA_F

ClientSampled :

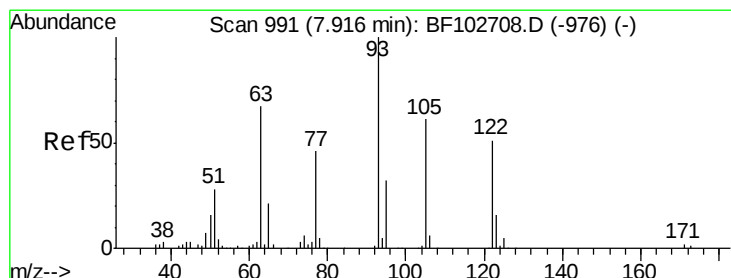
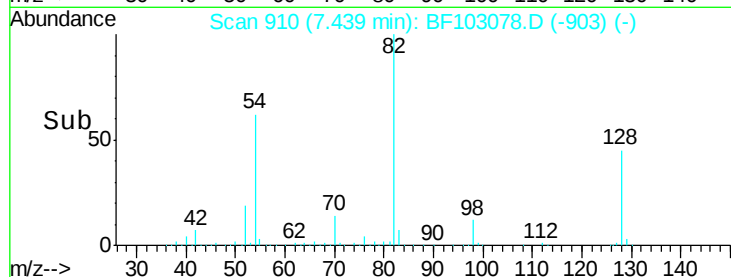
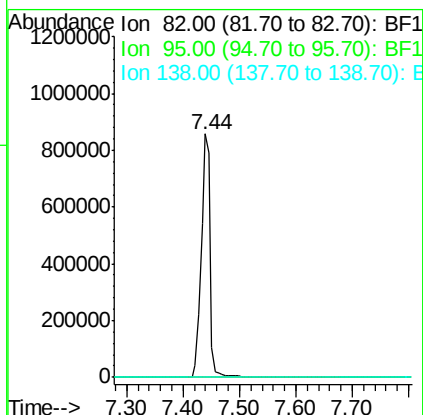
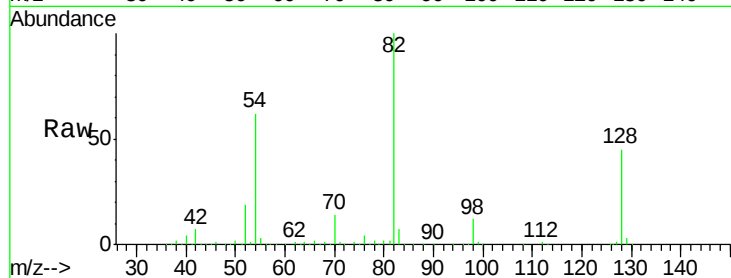
Tot Ion: 82 Resp: 944029

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 8.561 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.21 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

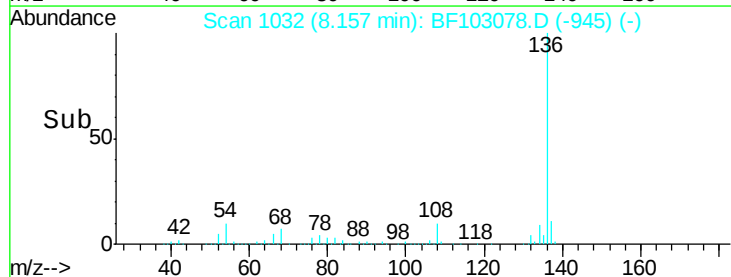
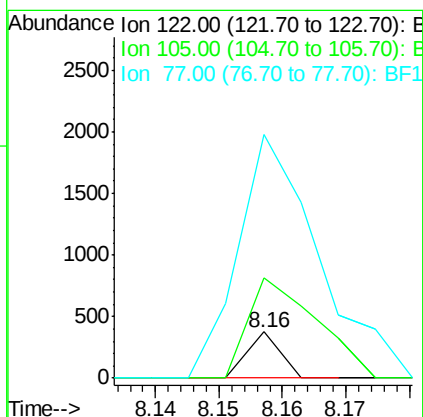
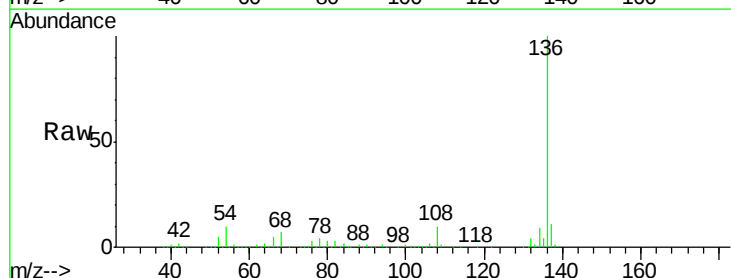
Tgt Ion:122 Resp: 133

Ion Ratio Lower Upper

122 100

105 216.2 101.1 141.1#

77 526.1 70.7 110.7#

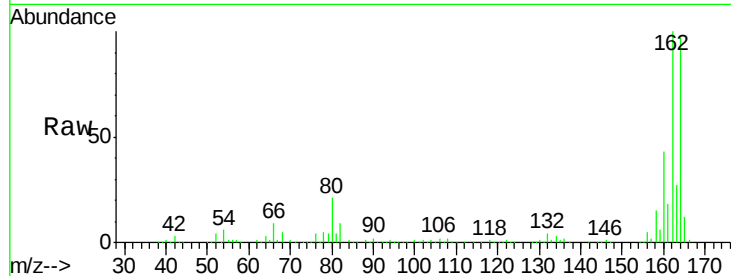




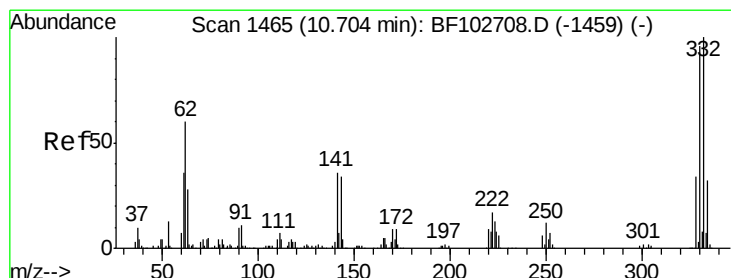
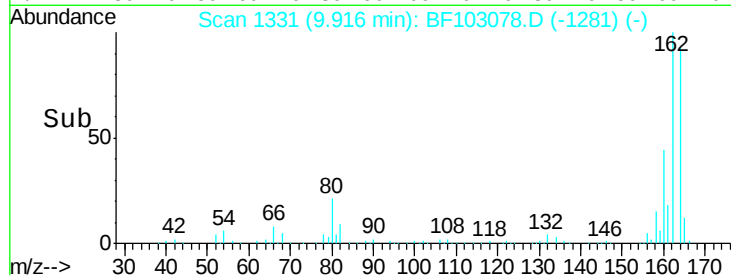
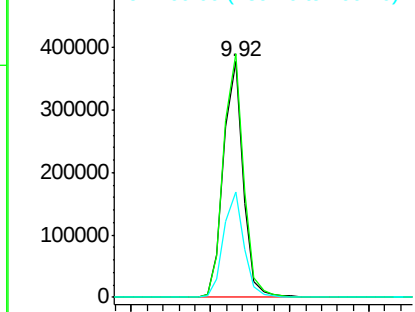
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103078.D
 Acq: 19 Feb 2018 13:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 325483
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 45.0 38.3 57.5

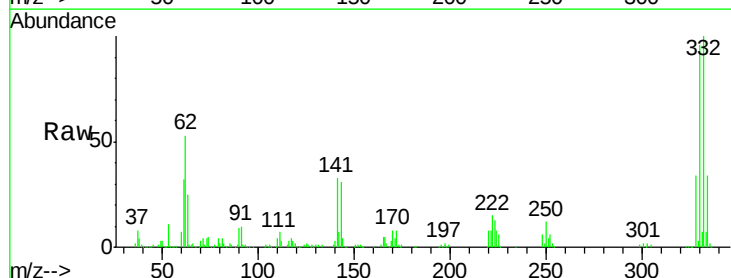


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

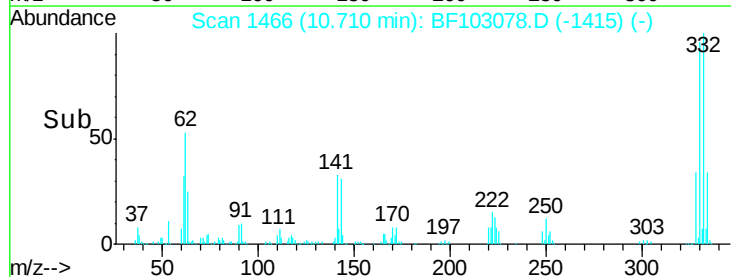
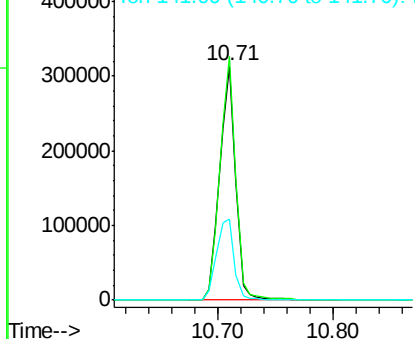


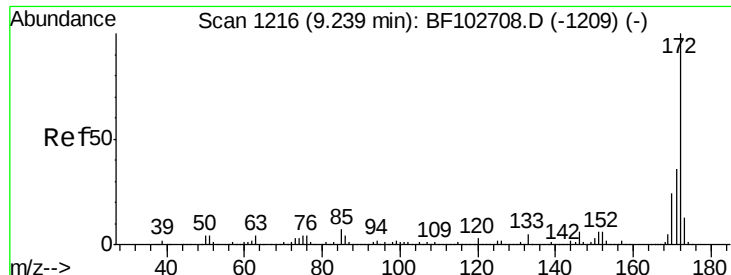
#41
 2,4,6-Tribromophenol
 Concen: 116.001 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103078.D
 Acq: 19 Feb 2018 13:25

Tgt Ion:330 Resp: 303895
 Ion Ratio Lower Upper
 330 100
 332 103.1 77.0 115.6
 141 38.4 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

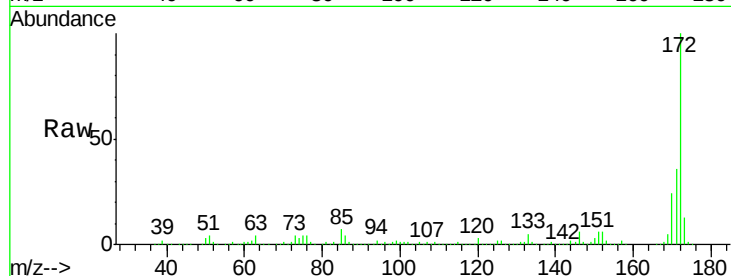




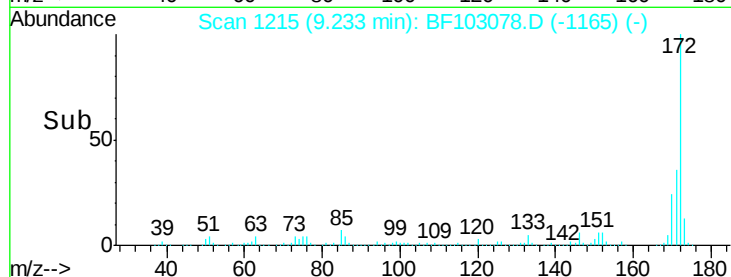
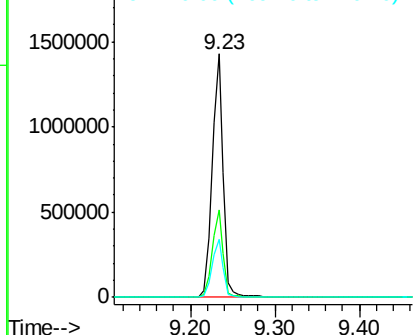
#44
2-Fluorobiphenyl
Concen: 67.876 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1331394
Ion Ratio Lower Upper
172 100
171 35.8 29.7 44.5
170 24.0 19.6 29.4

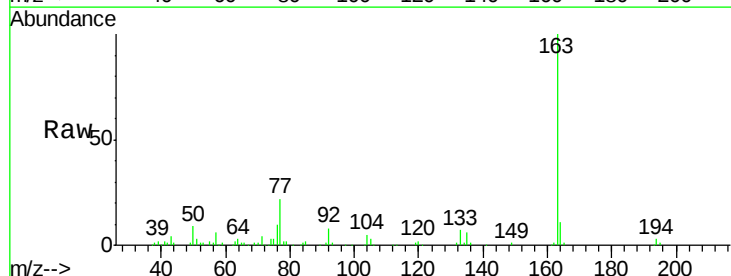


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

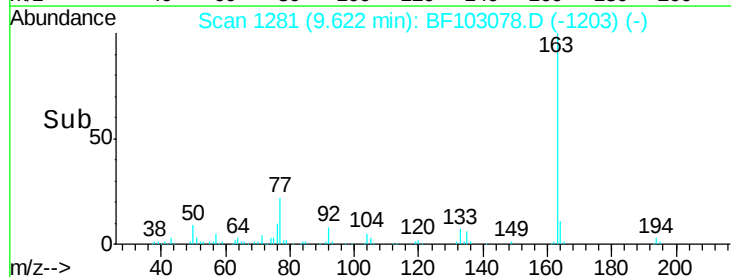
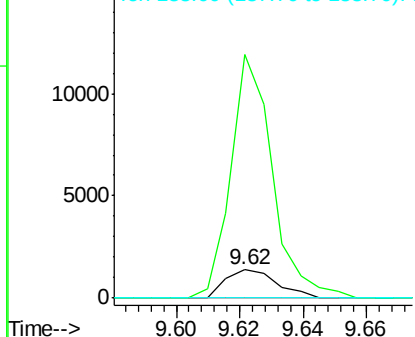


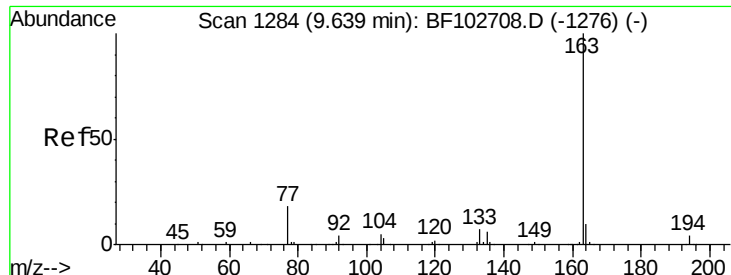
#47
2-Nitroaniline
Concen: 3.689 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.16 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Tgt Ion: 65 Resp: 1554
Ion Ratio Lower Upper
65 100
92 868.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

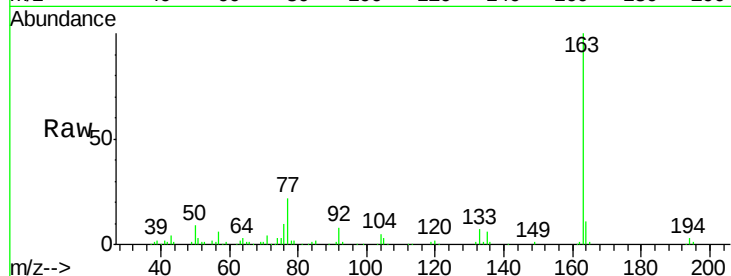




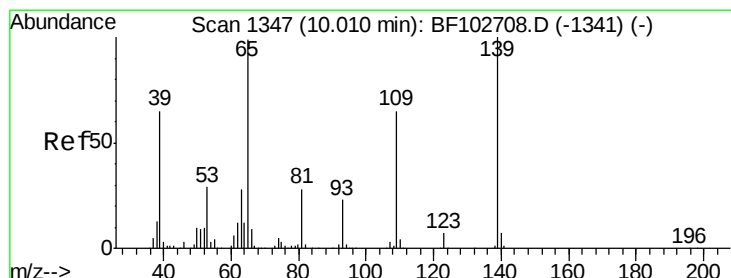
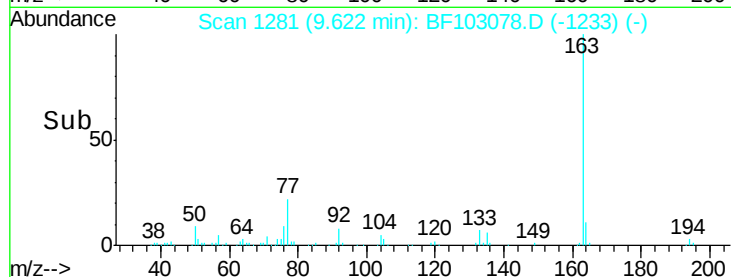
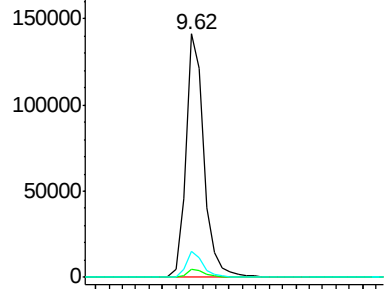
#49
Dimethylphthalate
Concen: 5.318 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 134952
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.5 8.2 12.2

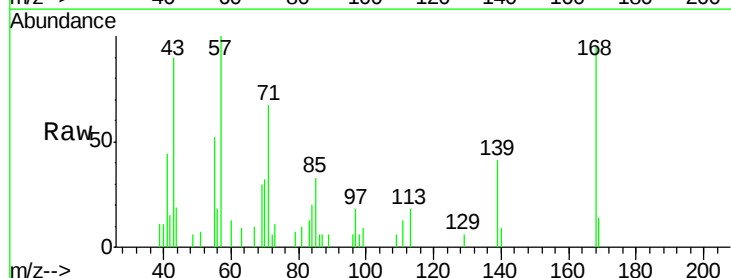


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

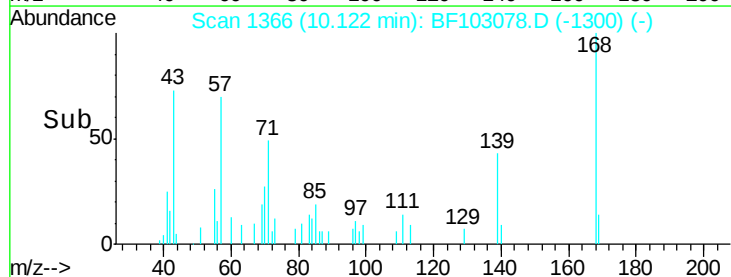
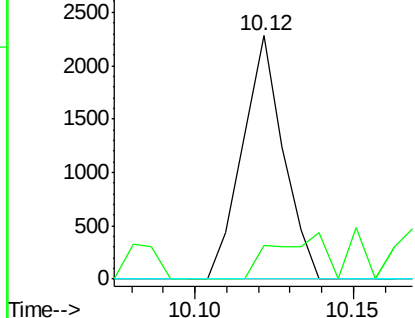


#55
4-Nitrophenol
Concen: 4.421 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Tgt Ion:139 Resp: 2039
Ion Ratio Lower Upper
139 100
109 14.1 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

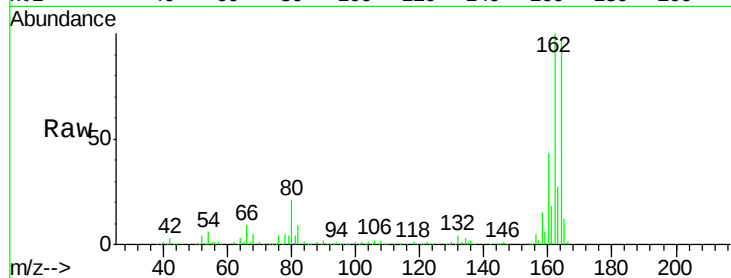




#56
 2,4-Dinitrotoluene
 Concen: 8.963 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103078.D
 Acq: 19 Feb 2018 13:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

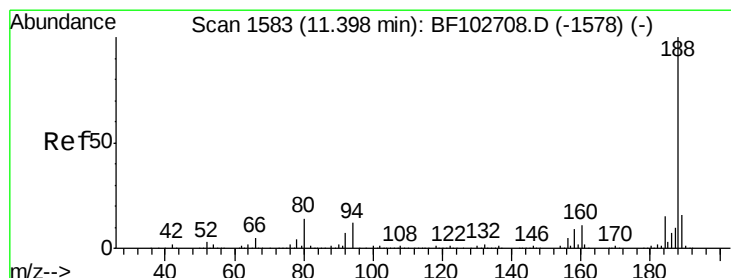
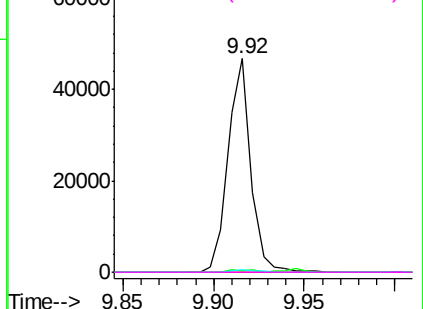
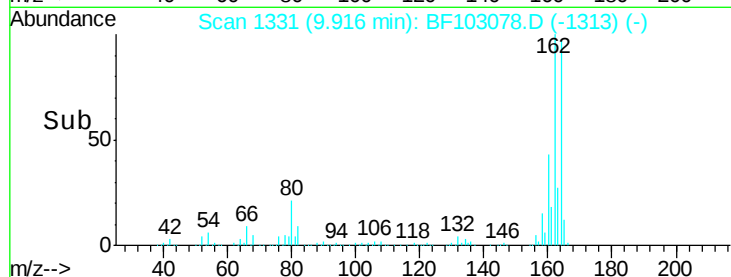


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

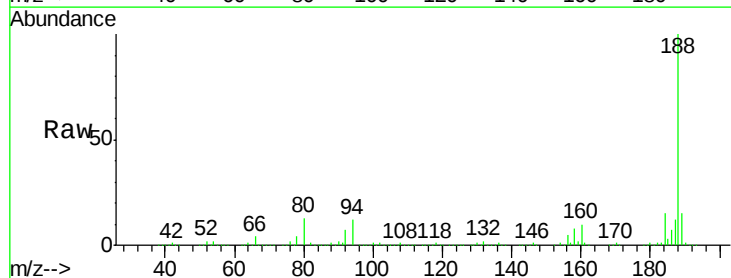
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103078.D
 Acq: 19 Feb 2018 13:25

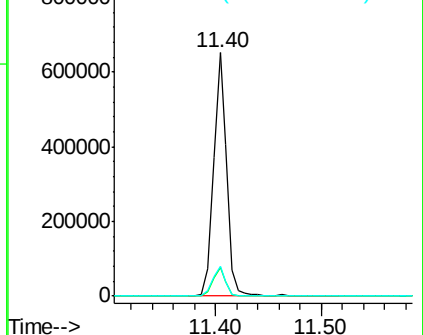
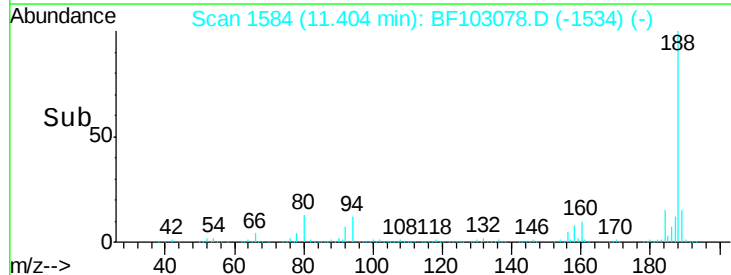
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.5	9.2	13.8

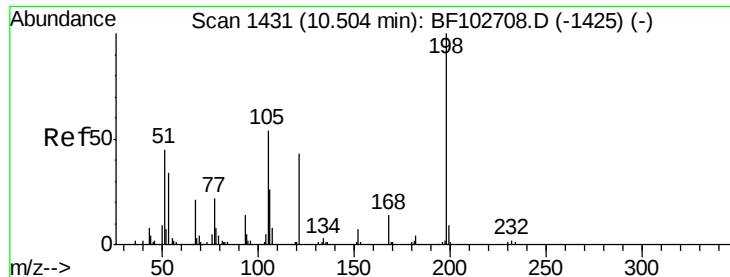


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 9.039 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA_F

ClientSampled :

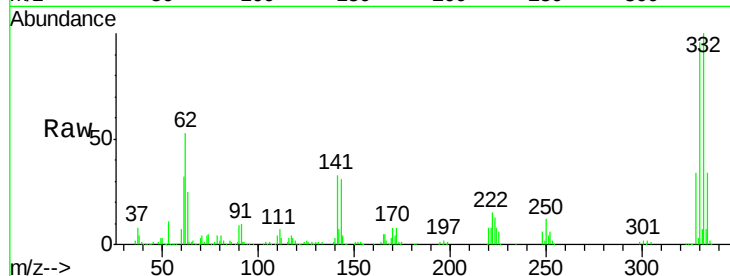
Tot Ion:198 Resp: 637

Ion Ratio Lower Upper

198 100

51 158.1 37.7 77.7#

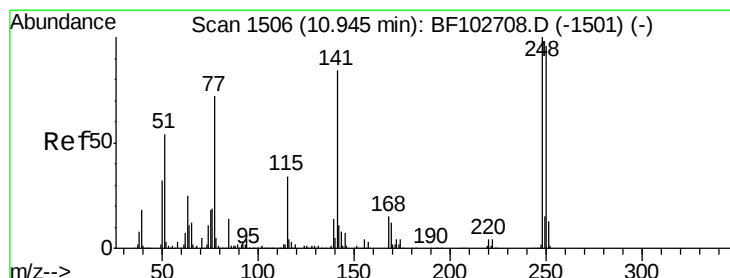
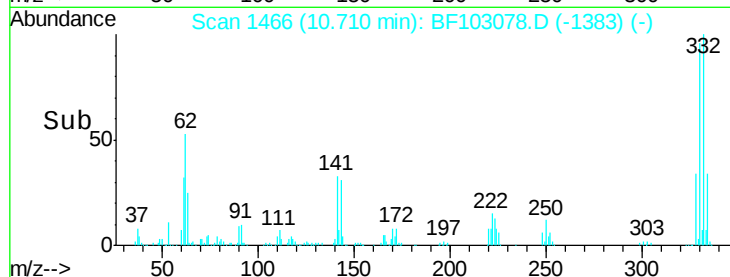
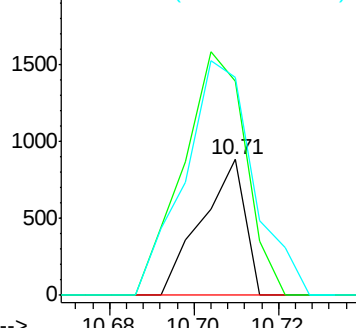
105 160.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.268 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.24 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

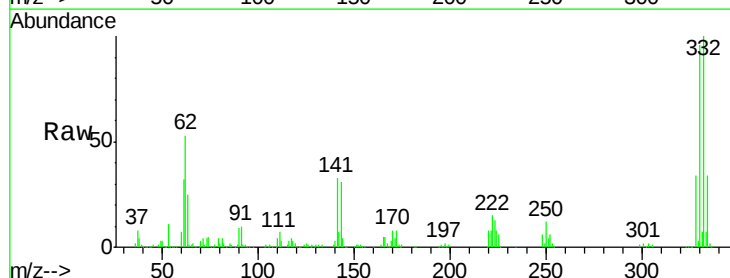
Tgt Ion:248 Resp: 19825

Ion Ratio Lower Upper

248 100

250 199.8 76.9 115.3#

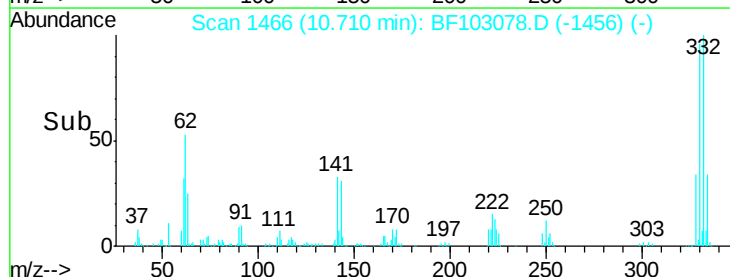
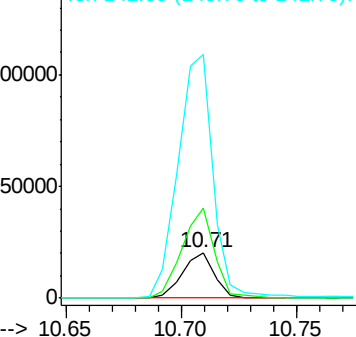
141 538.5 74.4 111.6#

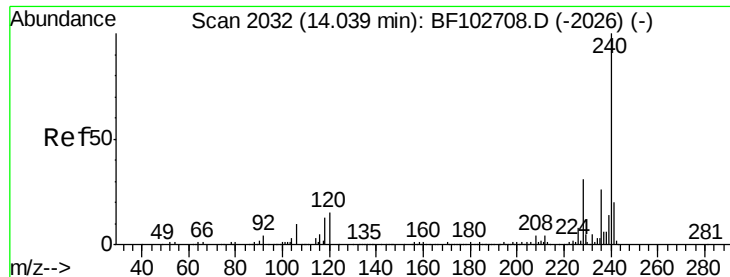


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

Instrument :

BNA_F

ClientSampled :

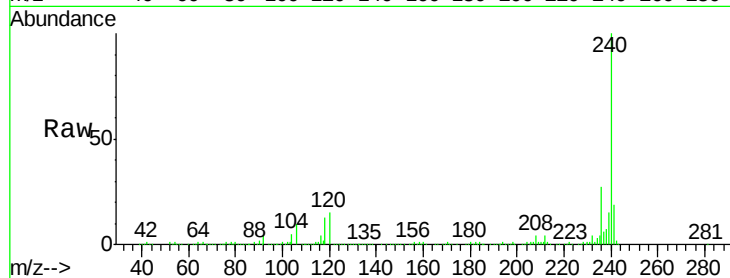
Tot Ion:240 Resp: 403456

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

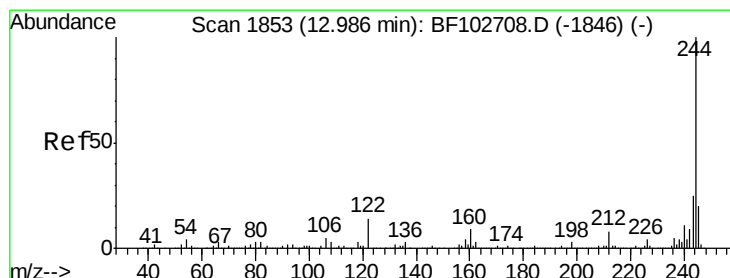
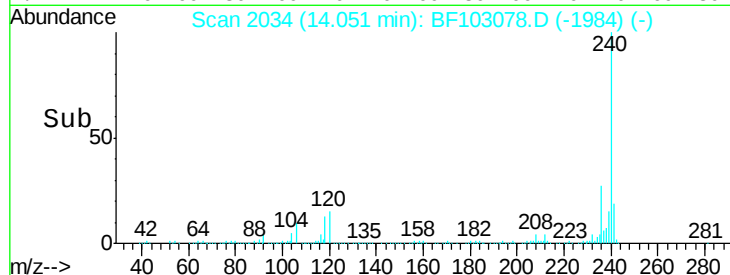
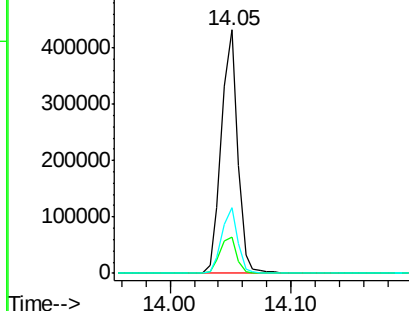
236 27.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 69.831 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103078.D

Acq: 19 Feb 2018 13:25

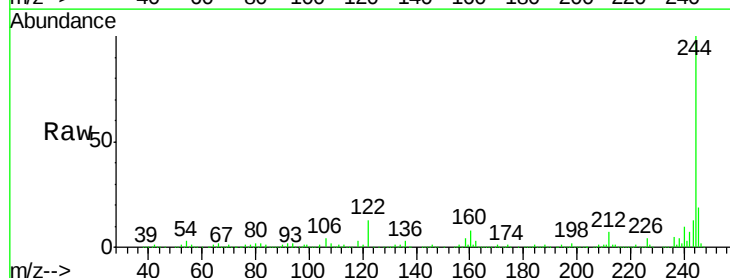
Tgt Ion:244 Resp: 1189881

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

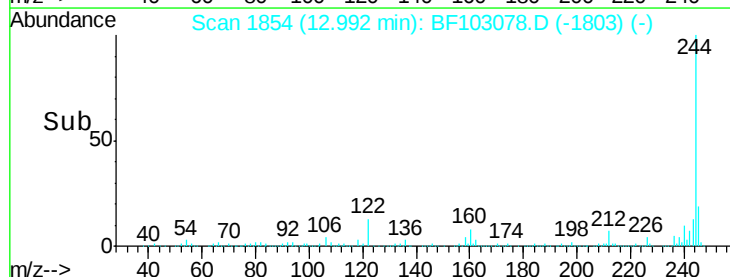
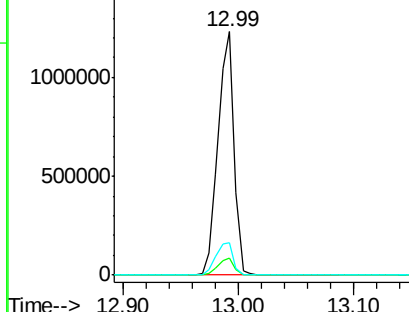
122 13.1 11.0 16.4

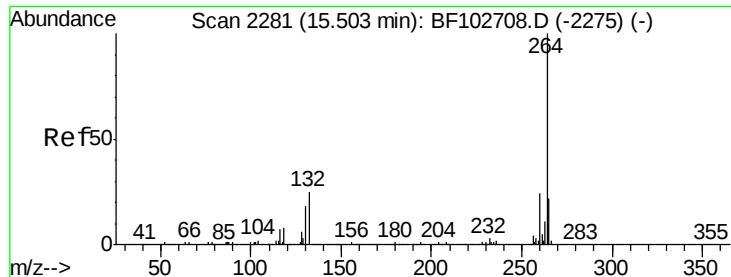


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

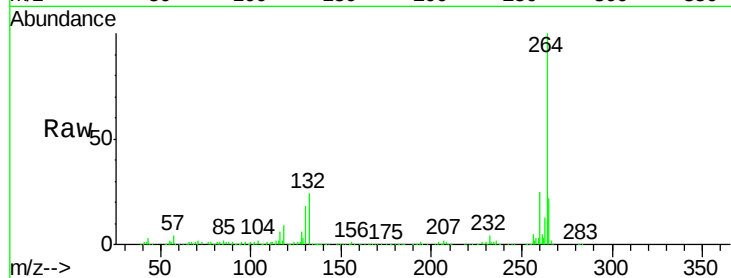




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF103078.D
Acq: 19 Feb 2018 13:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.9	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

